



Universidad
Zaragoza



JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

Trabajo Fin de Grado

ANEXO

**CHARACTERIZATION OF KLEBSIELLA
PNEUMONIAE BACTERIOPHAGES WITH
BIOTECHNOLOGICAL POTENTIAL.**

CARACTERIZACIÓN DE LOS FAGOS DE
KLEBSIELLA PNEUMONIAE CON POTENCIAL
BIOTECNOLÓGICO.

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2017-18

Table S1: Predicted proteins for EKP3P5 genome.

STRAND	START	STOP	PROTEIN NAME	E-VALUE	ACCESSION NO.
+	2211	3383	Putative tail fiber protein	0,0	KY271399.1
+	2367	3383	Ig-like virion protein-virion protein E	0,019	P85991.2
+	3425	3919	Putative uncharacterized protein YdaY	7,0E-62	P76069.1
+	4936	8295	Tape measure protein	1,0E-105	P85501.2
-	5305	5799	Phage tail protein	8,0E-81	ASR33414.1
+	8755	9327	ArsR family transcriptional regulator	2,0E-95	ASX98633.1
+	9248	9628	Formate/nitrite family transporter	1,0E-71	ASX98634.1
+	9625	12693	Kinase	0,0	ASX98635.1
+	16728	16967	Hipotetinal DNA polymerase V	1,0E-45	ATU14529.1
+	12756	14921	Tail fiber protein gp48	7,0E-83	ACH72967.1
+	17728	18957	Integrase	6,0E-44	P.06155.1
-	21550	20462	RecT	0,0	ARB15715.1
-	24727	21563	Exodeoxyribonuclease VIII	8,0E-70	P15032
-	25023	24799	Uncharacterized protein YdaE	2,0E-29	WP_071826820.1
-	26775	26389	Putative DNA binding protein	4,0E-70	ALF02518.1
-	26775	26389	Transcriptional regulator	3,0E-86	WP_029602857.1
-	26775	26389	Repressor protein CI	7,0E-07	P14819.2
+	26858	27109	Transcriptional regulator	5,0E-49	WP_029602858.1
+	27112	27675	Regulatory protein CII	1,0E-29	P14820.1
+	27838	28209	Protease	5,0E-07	Q817Q2.1
+	28224	29132	Primosomal protein I	9,0E-104	AHZ95183.1
+	29135	29884	DNA replication protein	4,0E-80	Q89B30.1
+	29135	29884	DNA replication protein DnaC	9,0E-179	WP_048279468.1
+	29892	30227	Putative DNA binding protein	6,0E-63	AAT84995.1
+	30202	31005	Partition protein	7,0E-157	ARB15773.1
+	31626	32228	Ead domin protein	1,0E-75	WP_087775340.1
+	34074	34580	Putative DNA damage-inducible protein	1,0E-79	ARB15726.1
+	35690	36070	Putative nuclease ybcO	2,0E-36	P68662.1
+	36067	36423	Endodeoxyribonuclease	6,0E-83	WP_104460360.1
+	36539	37360	Antitermination protein Q	3,0E-168	CDL20096.1
+	37609	37920	Holin	1,0E-62	ASX98662.1
+	37917	38456	Endolysina	9,0E-52	ARB15767.1
+	40439	41443	Terminase small subunit	8,0E-11	P39785.2
+	41421	42725	Putative terminase	0,0	ARB15734.1

STRAND	START	STOP	PROTEIN NAME	E-VALUE	ACCESSION NO.
+	42730	44136	Portal protein	0,0	ARB15735.1
-	45675	46490	Putative coat protein	1,0E-159	ARB15738.1
+	46209	47345	Putative coat protein	0,0	ARB15738.1